

# Product data sheet

Specifications



colour touch panel screen, Harmony  
STO & STU, 3.5inch wide, without  
Schneider logo

HMISTU655W

## Main

Range Of Product	Harmony STO & STU
Product Or Component Type	Touch panel screen
Software Designation	Vijeo Designer
Operating System	Harmony
Processor Name	CPU ARM9

## Complementary

Display Size	3.5 inch
Display Type	QVGA TFT colour touchscreen
Display Colour	65536 colours
Display Resolution	320 x 240 pixels QVGA
Touch Panel	Analogue
Backlight Lifespan	50000 hours
Brightness	16 levels
Character Font	Korean Japanese (ANK, Kanji) ASCII Taiwanese (traditional Chinese) Chinese (simplified Chinese)
[Us] Rated Supply Voltage	24 V DC
Supply	External source
Supply Voltage Limits	20.4...28.8 V
Inrush Current	30 A
Power Consumption In W	6.5 W
Number Of Pages	Limited by internal memory capacity
Processor Frequency	333 MHz
Memory Description	Application memory 16 MB Back up of data 64 kB
Integrated Connection Type	1 USB 2.0 type mini B 1 USB 2.0 type A COM1 serial link - female RJ45 - RS232C/RS485 <= 115.2 kbits/s) power supply - removable screw terminal block 1 Ethernet - RJ45
Realtime Clock	Access to the PLC real-time clock

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Downloadable Protocols	Modbus TCP/IP Modbus Uni-TE Third party protocols
Fixing Mode	Ø 22 mm hole
Enclosure Material	PC/PBT
Marking	Without Schneider logo CE
Height	3.86 in (98.15 mm)
Width	4.65 in (118 mm)
Depth	2.18 in (55.3 mm)

## Environment

Immunity To Microbreaks	10 ms
Standards	UL 508 UL 1604 IEC 61131-2 FCC Class A IEC 61000-6-2
Product Certifications	C-Tick Marine UL class 1 Div2 T4A ou T5 cULus UKCA
Ambient Air Temperature For Operation	32...122 °F (0...50 °C)
Ambient Air Temperature For Storage	-4...140 °F (-20...60 °C)
Relative Humidity	0...85 % without condensation
Operating Altitude	<= 2000 m
Ip Degree Of Protection	IP20 IEC 60529 rear panel) IP65 IEC 60529 front panel)
Nema Degree Of Protection	NEMA 4X front panel indoor use)
Shock Resistance	15 gn 11 msIEC 60068-2-27
Vibration Resistance	+/- 3.5 mm 5...9 Hz) IEC 60068-2-6 1 gn 9...150 Hz) IEC 60068-2-6
Resistance To Electromagnetic Fields	9.14 V/yd (10 V/m) IEC 61000-4-3

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.56 in (6.5 cm)
Package 1 Width	5.12 in (13.0 cm)
Package 1 Length	7.28 in (18.5 cm)
Package 1 Weight	19.05 oz (540.0 g)

# Sustainability

**Green Premium™ label** is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product’s sustainability >](#)



Transparency

## Resource performance

✔ Upgradeable Through Digital Modules  
And Upgraded Components

## Well-being performance

✔ Mercury Free

✔ Rohs Exemption Information [Yes](#)

Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
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China Rohs Regulation	<a href="#">China RoHS declaration</a>
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Environmental Disclosure	<a href="#">Product Environmental Profile</a>
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Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
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Circularity Profile	<a href="#">End of Life Information</a>
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